



# ABSTRACT

The air-stirring blade is provided that comprises a cylindrical body whose mid portion is provided with blade of such a construction that the inner side of the blade takes the form of stirred grooves with dip angle of about  $10^{\circ}$  to  $80^{\circ}$  or typically  $30^{\circ}$  with respect to vertical axis of the body. The outer side of the blade is of the same shape with the inner side thereof and there are four tangent lines between the blade and body forming a channel of cap-shaped cross-section which is twisted along the body.